

Kişisel Bilgiler

Fax Telefonu: [+90 212 383 5356](tel:+902123835356)

E-posta: hsari@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/hsari>

Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği, Türkiye 2012 - 2017

Yüksek Lisans, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği, Türkiye 2010 - 2012

Lisans, Selçuk Üniversitesi, Mühendislik-Mimarlık Fakültesi, Çevre Mühendisliği, Türkiye 2003 - 2008

Yaptığı Tezler

Doktora, Aerobik membran biyoreaktörlerde farklı karbon/azot oranına sahip atıksuların arıtımı ve aktif çamur özelliklerinin değişimi, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği, 2017

Yüksek Lisans, Elektrodializ bipolar membran prosesiyle artırılmış sızıntı suyunun fenton oksidasyonu ile nihai arıtımının değerlendirilmesi / Evaluation of final treatment with fenton oxidation of treated leachate by electro dialysis bipolar membrane process, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği, 2012

Araştırma Alanları

Çevre Mühendisliği, Çevre Bilimleri, Çevre Kimyası, Çevre Teknolojisi, Atıksuların Toplanması ve Arıtımı, Endüstriyel ve Tehlikeli Atık Yönetimi, Su Kirliliği ve Kontrolü, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç.Dr., Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Müh.Bölümü, 2020 - Devam Ediyor

Araştırma Görevlisi Dr., Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği, 2017 - Devam Ediyor

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği, 2010 - 2017

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **Feasibility Studies on the Effect of Natural Plant Compounds on Sludge Characteristics in a Batch-Type Aerobic Reactor and N-butyryl-L Homoserine Lactone**
Turan N. B. , Erkan H., Chormey D. S. , ÇAĞLAK A., BAKIRDERE S., Engin G. O.
ANALYTICAL LETTERS, cilt.53, ss.2431-2444, 2020 (SCI İndekslerine Giren Dergi)
- **Optimization of atrazine removal from synthetic groundwater by electrooxidation process using titanium dioxide and graphite electrodes**
BAKARAKI TURAN N., SARIERKAN H., ÇAĞLAK A., BAKIRDERE S., ENGİN G.
Separation Science And Technology, ss.1-10, 2019 (SCI İndekslerine Giren Dergi)
- **Binary dispersive liquid-liquid microextraction strategy for accurate and precise determination of micropollutants in lake, well and wastewater matrices**
SARIERKAN H., CHORMEY D. S. , ÇAĞLAK A., DALGIÇ BOZYİĞİT G., MALTEPE E., ENGİN G., BAKIRDERE S.
Bulletin Of Environmental Contamination And Toxicology, ss.1-10, 2019 (SCI İndekslerine Giren Dergi)
- **Nanoparticles in the aquatic environment: Usage, properties, transformation and toxicity—A review**
BAKARAKI TURAN N., SARIERKAN H., ENGİN G., BİLGİLİ M. S.
Process Safety And Environmental Protection, cilt.130, ss.238-249, 2019 (SCI İndekslerine Giren Dergi)

- **Waste activated sludge disintegration by hydroxyl and sulfate radical-based oxidations: A comparative study**
 Sari Erkan H.
 ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY, ss.2027-2040, 2019 (SCI İndekslerine Giren Dergi)
- **Wastewater treatment from the biodiesel production using waste cooking oil by electrocoagulation: a multivariate approach**
 Sari Erkan H.
 WATER SCIENCE AND TECHNOLOGY, cilt.79, no.12, ss.2366-2377, 2019 (SCI İndekslerine Giren Dergi)
- **Performance and activated sludge characteristics at short solid retention time in a submerged MBR: effects of C/N ratio of wastewater**
 Sari Erkan H., Engin G.
 Environmental Technology, cilt.40, ss.2085-2092, 2019 (SCI Expanded İndekslerine Giren Dergi)
- **Preliminary study testing the effects of tea and coffee on sludge characteristics and N-butyryl-L-homoserine lactone in an MBR system**
 BAKARAKI TURAN N., CHORMEY D. S. , SARI ERKAN H., ÇAĞLAK A., SARAL M., BAKIRDERE S., ENGİN G.
 Environmental Technology, ss.1-10, 2019 (SCI Expanded İndekslerine Giren Dergi)
- **Treatment of metal plating wastewater using iron electrode by electrocoagulation process: Optimization and process performance**
 ÖDEN M. K. , SARI ERKAN H.
 PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, cilt.119, ss.207-217, 2018 (SCI İndekslerine Giren Dergi)
- **Modeling and optimizing Fenton and electro-Fenton processes for dairy wastewater treatment using response surface methodology**
 Kurtoğlu Akkaya G., Sari Erkan H., Sekman E., Top S., Karaman H., Bilgili M. S. , Engin G.
 International Journal Of Environmental Science And Technology, ss.2343-2358, 2018 (SCI Expanded İndekslerine Giren Dergi)
- **The investigation of chemical coagulation and electrocoagulation processes for tannery wastewater treatment using response surface methodology**
 Erkan H., Guvenc S., Varank G., Engin G. O.
 DESALINATION AND WATER TREATMENT, cilt.113, ss.57-73, 2018 (SCI İndekslerine Giren Dergi)
- **Optimization of paper mill industry wastewater treatment by electrocoagulation and electro-Fenton processes using response surface methodology**
 Guvenc S., ERKAN H., VARANK G., BİLGİLİ M. S. , ENGİN G. O.
 WATER SCIENCE AND TECHNOLOGY, cilt.76, ss.2015-2031, 2017 (SCI İndekslerine Giren Dergi)
- **The investigation of paper mill industry wastewater treatment and activated sludge properties in a submerged membrane bioreactor**
 Erkan H., Engin G. O.
 WATER SCIENCE AND TECHNOLOGY, cilt.76, ss.1715-1725, 2017 (SCI İndekslerine Giren Dergi)
- **The investigation of shale gas wastewater treatment by electro-Fenton process: Statistical optimization of operational parameters**
 Turan N. B. , ERKAN H., ENGİN G.
 PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, cilt.109, ss.203-213, 2017 (SCI İndekslerine Giren Dergi)
- **Activated sludge properties in a submerged membrane bioreactor: effect of COD/TKN ratio of wastewater**
 Erkan H., Engin G., Kulil B., Günalp G.
 INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, cilt.14, ss.933-942, 2017 (SCI İndekslerine Giren Dergi)
- **Wastewater treatment from shale gas operation by Fenton process: a statistical optimization**
 ERKAN H., Turan N. B. , ENGİN G.
 DESALINATION AND WATER TREATMENT, cilt.70, ss.125-133, 2017 (SCI İndekslerine Giren Dergi)
- **Effect of carbon to nitrogen ratio of feed wastewater and sludge retention time on activated sludge in a**

submerged membrane bioreactor

Erkan H., Engin G., Ince M., Bayramoglu M. R.

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, cilt.23, ss.10742-10752, 2016 (SCI İndekslerine Giren Dergi)

- **COST ANALYSIS OF SEAWATER DESALINATION USING AN INTEGRATED REVERSE OSMOSIS SYSTEM ON A CRUISE SHIP**

Guler E., Engin O. G. , Çelen M., Erkan H.

GLOBAL NEST JOURNAL, cilt.17, ss.389-396, 2015 (SCI İndekslerine Giren Dergi)

- **Final treatment of young, middle-aged, and stabilized leachates by Fenton process: optimization by response surface methodology**

Erkan H., Apaydin Ö.

DESALINATION AND WATER TREATMENT, cilt.54, ss.342-357, 2015 (SCI İndekslerine Giren Dergi)

- **Electrocoagulation of Tannery Wastewater using Monopolar Electrodes Process Optimization by Response Surface Methodology**

VARANK G., SARI ERKAN H., YAZICI S., DEMİR A., ENGİN G.

International Journal Of Environmental Research, cilt.8, ss.165-180, 2014 (SCI Expanded İndekslerine Giren Dergi)

- **Evaluation of treatment and recovery of leachate by bipolar membrane electro dialysis process**

İLHAN F., KABUK H. A. , KURT U., AVŞAR Y., SARI ERKAN H., GÖNÜLLÜ M. T.

Chemical Engineering And Processing, ss.67-74, 2014 (SCI Expanded İndekslerine Giren Dergi)

- **Investigation of Sorption Characteristics of Anaerobically Digested Dewatered Municipal Sewage Sludge**

Varank G., Demir A., Bilgili M. S. , Selin T., Sekman E., Yazıcı S., Sari Erkan H.

Environment Protection Engineering, cilt.40, ss.119-133, 2014 (SCI Expanded İndekslerine Giren Dergi)

- **Equilibrium and kinetic studies on the removal of heavy metal ions by natural low cost adsorbents**

VARANK G., DEMİR A., BİLGİLİ M. S. , SELİN T., SEKMAN E., YAZICI S., SARI ERKAN H.

Environment Protection Engineering, cilt.40, ss.43-61, 2014 (SCI Expanded İndekslerine Giren Dergi)

- **Fuzzy logic modeling of Fenton s strong chemical oxidation process treating three types of landfill leachates**

SARI ERKAN H., YETİLMEZSOY K., İLHAN F., YAZICI S., KURT U., APAYDIN Ö.

Environmental Science And Pollution Research, cilt.20, ss.4235-4253, 2013 (SCI Expanded İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- **An investigation on the application of Call-Fell-Felll magnetic hydrotalcite-like-compounds for the removal of impurities in aqueous systems**

ENGİN G., SARI ERKAN H., WHITE D.

Environmental Research and Technology, cilt.3, ss.20-27, 2020 (Diğer Kurumların Hakemli Dergileri)

- **Ceramic industry wastewater treatment by chemical coagulation process: a statistical optimization of operating parameters**

SARI ERKAN H.

Sakarya University Journal of Science, cilt.23, ss.233-243, 2019 (Diğer Kurumların Hakemli Dergileri)

- **Calcium removal from calcium rich paper mill wastewater by microbial CaCO₃ precipitation**

SARI ERKAN H., ENGİN G.

Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.21, ss.352-363, 2019 (Diğer Kurumların Hakemli Dergileri)

- **Kaya Gazı Ekstraksiyonu ve Kaya Gazı Üretiminden Kaynaklanan Atıksuların Arıtımı**

SARI ERKAN H., BAKARAKI TURAN N., ENGİN G.

Akademik Platform Mühendislik ve Fen Bilimleri Dergisi, cilt.7, ss.1-9, 2019 (Diğer Kurumların Hakemli Dergileri)

Kitap & Kitap Bölümleri

- **Fouling control in MBR in a sustainable perspective**

SARI ERKAN H., BAKARAKI TURAN N., ENGİN G.

Current Developments in Biotechnology and Bioengineering Advanced Membrane Separation Processes for Sustainable Water and Wastewater Management - Case Studies and Sustainability Analysis, Giorgio Mannina, Ashok Pandey, Christian Larroche, How Yong Ng, Huu Hao Ngo, Editör, Elsevier, ss.21-57, 2020

- **Membrane Bioreactors for Wastewater Treatment**

SARI ERKAN H., Nouha B. T. , ENGİN G.

COMPREHENSIVE ANALYTICAL CHEMISTRY Fundamentals of Quorum Sensing, Analytical Methods and Applications in Membrane Bioreactors, Dotse Selali Chormey, Sezgin Bakirdere, Nouha Bakaraki Turan, Güleda Önkal Engin, Editör, Elsevier Science, Oxford/Amsterdam, ss.151-200, 2018

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **Biodiesel Wastewater Treatment by Electrocoagulation using Aluminum and Graphite Electrodes**

SARI ERKAN H.

4th Eurasian Conference on Civil and Environmental Engineering (ECOCEE), 17 - 18 Haziran 2019, ss.198-202

- **Treatment of Industrial Wastewater by Electrocoagulation Process Using Copper Electrode: optimization with response surface methodology (RSM),**

SARI ERKAN H., ÖDEN M. K.

4th International Conference on Civil Environmental, Geology and Mining Engineering (ICOCEM- Trabzon 2019), 20-22 April 2019, Turkey, Trabzon, Türkiye, 20 - 22 Nisan 2019, ss.1100-1118

- **MICROPOLLUTANTS IN THE AQUATIC ENVIRONMENT AND THEIR REMOVAL IN MEMBRANE BIOREACTORS**

ENGİN G., ÇAĞLAK A., SARI ERKAN H., ADİLLER A.

Linking Water Security to Sustainable Development Goals, 29 Ağustos - 01 Eylül 2018, ss.115-121

- **SHALE GAS WASTEWATER TREATMENT BY CHEMICAL AND ELECTRO-CHEMICAL PROCESSES**

BAKARAKI TURAN N., SARI ERKAN H., ENGİN G.

5. Ulusal Su Kongresi, Afyon, Türkiye, 29 Ekim - 01 Kasım 2018

- **Shale gas extraction by hydraulic fracturing and flowback water treatment technologies: A review**

SARI ERKAN H., ENGİN G., BAKARAKI TURAN N.

4th International Conference on Recycling and Reuse, 24 - 26 Ekim 2018

- **Activated Sludge Rheological Properties in the Treatment of Different Wastewaters in Submerged Membrane Bioreactor**

SARI ERKAN H., Bakaraki N., ENGİN G.

EurAsia Waste Management Symposium, 2 - 04 Mayıs 2018

- **Investigation of the Effect of C/N Ratio and Sludge Age on the Microbial Community in MBR Systems**

SARI ERKAN H., Bakaraki N., ENGİN G.

EurAsia Waste Management Symposium, 2 - 04 Mayıs 2018

- **Turbidity removal of ceramic industry wastewater using chemical coagulation process**

SARI ERKAN H., ALICIOĞLU E., ENGİN G.

3. International Conference on Civil and Environmental Engineering, 24 - 27 Nisan 2018

- **Recent Advances for Mitigation of Membrane Fouling in Membrane Bioreactors**

SARI ERKAN H., ENGİN G.

3. International Conference on Civil and Environmental Engineering, 24 - 27 Nisan 2018

- **Mevcut Evsel Atıksu Arıtma Tesislerinin Membran Biyoreaktör Teknolojisi Kullanılarak Yenilenmesi ve İyileştirilmesi**

SARI ERKAN H., ENGİN G.

4th International Water Congress, 2 - 04 Kasım 2017, ss.44

- **Sinyal söndürme (Quorum quenching): MBR'lerde biyofilm oluşumunu azaltmak için yeni bir yöntem**

BAKARAKI TURAN N., SARI ERKAN H., ENGİN G.

MEMTEK 2017 5. ULUSAL MEMBRAN TEKNOLOJİLERİ VE UYGULAMALARI SEMPOZYUMU, İstanbul, Türkiye, 21 - 23 Eylül 2017, ss.49

- **The effect of SRT on biodegradation of municipal wastewater with low COD/TKN ratio in a submerged MBR**

ERKAN H., ENGİN G.

EUROMED 2017-Desalination for Clean Water and Energy: Cooperation around the World 9–12 May 2017, Tel Aviv, Israel, Tel-Aviv, İsrail, 09 Mayıs 2017, ss.66-67

- **The effect of SRT on biodegradation of municipal wastewater with low COD/TKN ratio in a submerged MBR**

SARI ERKAN H., ENGİN G.

EUROMED 2017-Desalination for Clean Water and Energy: Cooperation around the World, Tel-Aviv-Yafo, İsrail, 9 - 12 Mayıs 2017

- **Calcium Removal from Paper Mill Wastewater by Microbial Carbonate Precipitation: Pre-treatment for Submerged Membrane Bioreactor**

SARI ERKAN H., ENGİN G., ALPCAN R.

International Conference on Civil and Environmental Engineering-2017, NEVŞEHİR, Nevşehir, Türkiye, 8 - 10 Mayıs 2017

- **Membrane Bioreactor (MBR) Technology for Wastewater Treatment: Approaches to Membrane Fouling Control**

HASNINE M. T. , SARI ERKAN H., ENGİN G.

International Conference on Civil and Environmental Engineering-2017, NEVŞEHİR, Nevşehir, Türkiye, 8 - 10 Mayıs 2017

- **Membrane Bioreactor Technology for Industrial Wastewater Treatment**

SARI ERKAN H., ENGİN G., GÜNALP G.

International Workshop- MBR for the Next Generation 2016, İstanbul, Türkiye, 10 Mayıs 2016

- **Activated Sludge Characteristics in a Lab scale Submerged Membrane Bioreactor at Different SRT Values**

SARI ERKAN H., GUNALP G., İNCE M., ENGİN G.

EURASIA 2016 Waste Management Symposium, 2 - 04 Mayıs 2016

- **Environmental Mineralogical and Geotechnical Investigations of Anaerobically Digested Dewatered Sewage Sludge**

VARANK G., DEMİR A., ÖZÇOBAN M. Ş. , YAZICI GÜVENÇ S., SARI ERKAN H.

EURASIA 2016 WASTE MANAGEMENT SYMPOSIUM, İstanbul, Türkiye, 2 - 04 Mayıs 2016, ss.1038-1044

- **Quorum Quenching For Biofilm Formation Prevention**

NOUHA B., ENGİN G., SARI ERKAN H., DOTSE SELALİ C., BAKIRDERE S.

EURASIA 2016 Waste Management Symposium, 2 - 04 Mayıs 2016

- **Aluminum Electrocoagulation with Peroxide Applied to Paper Industry Wastewater**

VARANK G., DEMİR A., KASAP T., YAZICI S., SARI ERKAN H.

EURASIA 2016 Waste Management Symposium, 2 - 04 Mayıs 2016

- **Mineralogical and Geotechnical Investigations of Anaerobically Digested Dewatered Sewage Sludge**

Demir A., Özçoban M. Ş. , Yazıcı Güvenç S., ERKAN H.

EURASIA 2016 Waste Management Symposium, 01 Mayıs 2016

- **Aluminum Electrocoagulation with Peroxide Applied to Paper Industry Wastewater**

DEMİR A., Kasap T., Yazıcı Güvenç S., Sarı Erkan H.

Eurasia 2016 Waste Management Symposium, 01 Mayıs 2016

- **Activated sludge rheology in a laboratory scale submerged membrane bioreactor Effect of sludge retention time**

SARI ERKAN H., GÖRKEM G., ENGİN G., İNCE M.

The International Conference On Science, Ecology And Technology I, 25 - 28 Ağustos 2015

- **Membrane Fouling In Submerged Membrane Bioreactors Effect of Activated Sludge Rheology**

ENGİN G., İNCE M., SARI ERKAN H., BİLGİLİ M. S. , İNCE E., KULİL B., ÇAĞLAK A.

EURASIA 2014 Waste Management Symposium, 28 - 30 Nisan 2014

- **Textile Sludge Dewatering by Chemical and Electrochemical Methods**

APAYDIN Ö., SARI ERKAN H.

Conference on Recycling and Reuse, 4 - 06 Haziran 2012, ss.347

- **Treatability of Diluate Solution from Electrodialysis Process by Aerobic Sequencing Batch Reactor International Conference on Recycling and Reuse**

SARI ERKAN H., İLHAN F., YAZICI S., ALTUNTAŞ K., APAYDIN Ö.

International Conference on Recycling and Reuse., 4 - 06 Haziran 2012

- **Fouling of Ion Exchange Membranes in Electrodialysis Process for Recovery of Leachate Compounds**
YAZICI S., İLHAN F., SARI ERKAN H., ALTUNTAŞ K., KURT U.
Euraisa Waste Management Symposium, 10 - 11 Kasım 2011
- **Treatment of Bilge Water By Electrocoagulation Electroflotation Process Optimization With Response Surface Method**
ALTUNTAŞ K., İLHAN F., YAZICI S., SARI ERKAN H., KURT U.
Euraisa Waste Management Symposium, 10 - 11 Kasım 2011

Desteklenen Projeler

Sarı Erkan H., Engin G., Yükseköğretim Kurumları Destekli Proje, BATIK MEMBRAN BİYOREAKTÖRDE FARKLI C N ORANLARININ MEMBRAN KİRLENMESİNE ETKİSİ, 2013 - 2016

Engin G., İnce M., İnce E., Bilgili M. S. , Bayramoğlu M. R. , TÜBİTAK Projesi, Membran Biyoreaktörlerde EPS nin Membran Kirlenmesi Üzerine Etkisinin Reolojik Parametreler ile Belirlenmesi, 2013 - 2016

Atıflar

Toplam Atıf Sayısı (WOS):133

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